

## **SoftPC® EGA/AT Option Module for the Macintosh® II & SE/30**

### **IF YOU DON'T READ MANUALS, READ THIS!**

SoftPC EGA/AT Option Module is an upgrade to SoftPC. Upgrading requires that you have SoftPC installed. You must run your existing SoftPC at least one more time in order to install the new MS-DOS files that your upgraded SoftPC will need. This is a condensed explanation...

#### **In Brief:**

#### **1. Run Your Existing SoftPC To Update Your Drive C:.**

If you don't have SoftPC installed yet, or have removed it, install your previous version of SoftPC first.

##### **Select the EGA-AT Option Disk As Drive E:.**

Select **E: Mac Files** from the PC Drives menu. Insert the EGA-AT Option Disk. Click **Select**. (If you're using SoftPC version 1.21, click **Select Open Folder**.)

##### **Type E:INSTALL And Press Return.**

The MS-DOS files that will be needed by the upgraded SoftPC will be copied into your Drive C: automatically.

##### **Quit SoftPC.**

#### **2. Run Install EGA/AT To Upgrade SoftPC.**

Double-click the Install EGA/AT application icon on the EGA/AT Option Disk.

##### **Follow the directions on the screen.**

When asked, select your existing SoftPC in the dialog and click **Install**.

#### **3. Run SoftPC EGA/AT. Read the screen.**

Two messages about the File Sharing Architecture (FSA) will appear, the first saying: Unable to install FSA Disk Drive. The second FSA message will say SoftPC File Sharing Architecture Version 2.0 Driver successfully installed. The second message indicates success. The first message comes from software only used by your earlier version of SoftPC.

##### **Select Your Drive A: If You Will Use Floppy Disks.**

Select **A: Floppy Drives...** from the PC Drives menu, click the button for the drive you'll use, and click **Select**. That's it.

## Errata for SoftPC® EGA/AT Option for the Macintosh® II Family & SE/30 Changes To The Manual

Last-minute changes to the manual and additional notes for SoftPC EGA/AT:

### Re-Configuring for EGA not needed

The SoftPC EGA/AT User Guide states that "Some or all of your PC programs may ... need to be re-configured to work with EGA video in SoftPC EGA/AT." *Actually, your PC software will not need re-configuring to work.* You may wish to re-configure it in order to take advantage of some of the EGA's special features, however. Software configured for CGA video will operate normally.  
[Chapter 1, page 21]

### PostScript Printing

Printing using the PostScript setting in SoftPC EGA/AT's Print Options will only work if background printing is turned off.  
[Chapter 6, pages 89-92] [Chapter 8, page 113]

### Accelerated SE Has CGA Video Only

SoftPC EGA/AT only offers CGA video on a Macintosh SE with an accelerator card, because the SE lacks Color QuickDraw support. The **Change to EGA...** command in the Options menu is dimmed.  
[Chapter 2, pages 31, 32] [Chapter 6, pages 86, 87]


### Locked Floppy Disks

**MultiFinder.** While using MultiFinder, if you insert a locked disk in a DaynaFile drive, or in a SuperDrive if you're using DOS Mounter, an error message will appear: "Please unlock the disk " " and try again. The desktop file couldn't be created." This is caused by the interaction of the DaynaFile/DOS Mounter software and the Finder, which is always running in MultiFinder. To use a locked MS-DOS disk in SoftPC, either turn off MultiFinder and Restart, or disable DOS Mounter if you're using it.

**DaynaFile.** If you attempt to save data to a locked disk in a DaynaFile drive, SoftPC EGA/AT causes a Macintosh error -36 message to appear. Remove the disk, then click **Continue**. Data cannot be saved to a locked disk in any case.

**TurboFloppy.** If you attempt to save data to a locked disk in a TurboFloppy drive, SoftPC EGA/AT causes a Macintosh error -36 message to appear. Remove the disk, then click **Continue**. Data cannot be saved to a locked disk in any case.

**Rapport/Drive 2.4.** If you attempt to save data to a locked disk in a Drive 2.4 drive connected to a Rapport interface, *SoftPC EGA/AT gives no indication of an error but your data will not be saved.* Data cannot be saved to a locked disk in any case.

Select  **C: Hard Disk...** command from the PC Drives menu. Double-click the new 'Drive' document you created. Click **Reset** when the dialog box appears. SoftPC will re-boot from the new Drive document as Drive C.

 609-005-02

## ERRATA

# SoftPC® EGA/AT for the Macintosh® II Family & SE/30

Release 1.4

## Changes to the User's Guide

The following is a list of the features added to SoftPC Rel 1.4 and relevant notes for the SoftPC EGA/AT User's Guide, as well as some additional information not included in the User's Guide:

### New Features: A/UX 2.0 Compatibility

SoftPC EGA/AT now can run in A/UX 2.0!  
(See the A/UX Patch notes below before installing.)

### Improved Disk Access Speed

Up to 20 *times* the speed of SoftPC EGA/AT Release 1.3!

### Improved Graphics Performance

Up to 9 *times* the speed of SoftPC EGA/AT Release 1.3!

### Improved Graphics Copy and Paste between Mac and DOS

### 80287 Support Is Now Optional

(See the 80287 notes below.)

### New: Faster EGA graphics and hard disk access

Release 1.4 incorporates improvements to the EGA screen update that speeds drawing bit-mapped graphics (like graphs, pictures and Windows screens) by as much as 9 times compared with Release 1.3. Improvements to the C: and D: hard disk support speeds access times by as much as 20 times compared with Release 1.3. These improvements don't require any special steps to configure or use.

### New: Copying color graphics is now more versatile

Graphics copied from the SoftPC window in Release 1.3 could not be pasted in some Mac desk accessories or applications. This has been corrected. No special steps are needed to use, just Copy as usual.

### New: 80287 Support is now optional

If your Macintosh does not have a 68881 or 68882 math coprocessor, you may have found that Release 1.3 of SoftPC EGA/AT had problems running some software that either initialized or used the AT's 80287 math chip. The 80287 emulation is now automatically turned off when no 68881/68882 is present, and the "Enable 287..." command in the Options menu is dimmed. There will be no 80287 present in the emulated AT in this case. You can also turn the 80287 off even if your Mac does have the math chip. Turning the math chip off is mostly useful for software developers.

To turn the 80287 off, select the **Disable 287 ...** command in the Options menu to disable the emulated math chip, then click **Reset** in the dialog that appears. To turn the 287 back on, select the **Enable 287 ...** command in the Options menu to enable the emulated math chip, then click **Reset** in the dialog that appears.

References to the 80287 math coprocessor on pages 4, 28, 99, and 101 should indicate that use of the 80287 math coprocessor is now optional. In the Options Menu reference in pages 117 and 118 the menu lacks any reference to the new command, which should be just below the "LIM..." command.

A bug in the emulated 80287 that affected fractional exponents has been corrected.

### Change: New DOS Files, Error Messages Eliminated

Some of the files mentioned in the automatic update of DOS files have changed. A few new utilities have been added. In particular, you'll notice that once the DOS files have been updated in SoftPC, and you run SoftPC EGA/AT, you will NOT see error messages as mentioned on pages 19 and 20 of the SoftPC EGA/AT manual.

### Change: Changes in SlavePC

There is a new version of SlavePC (SLAVEPC3.EXE) which is compatible with SoftPC EGA/AT Rel 1.4 and is available free from Insignia Solutions. If you have encountered problems when you try to use SlavePC, please request this new version. References to SLAVEPC2.EXE on pages 10, 13, 41 should then refer to SLAVEPC3.EXE.

### **Change: New Application Memory Requirement (50K increase in size)**

This new version of SoftPC requires 3050K to obtain 640k of PC memory, 50K more than the previous version. This means that the tables in Chapter 6 concerning "Main Memory" and "LIM Expanded Memory" need to be increased by 50k. That is, 2666-2793K, 2794-2921K, 2922-3049K and 3050K+ yields 256K, 384K, 512K and 640K of PC RAM respectively. Also, 3050K, 4074-5097K, 5098-6121K, 6122-7145K and 7146K+ yields 0, 1, 2, 3 and 4 Mb of LIM memory respectively.

### **Correction: Re-Configuring for EGA Not Needed**

The SoftPC EGA/AT User Guide states that "Some or all of your PC programs may ..... need to be reconfigured to work with EGA video in SoftPC EGA/AT." *Actually, your PC software will not need re-configuring to work.* You may wish to re-configure it in order to take advantage of some of the EGA's special features, however. Software configured for CGA video will operate normally. (Chapter 1, page 21).

### **Added Note: PostScript Printing and Background Printing**

Printing using the PostScript setting in SoftPC EGA/AT's Print Options will only work if background printing is turned off. (Chapter 6, pages 89-92) (Chapter 8, page 113).

### **Added Note: Accelerated SE has CGA Video Only**

SoftPC EGA/AT only offers CGA video on a Macintosh SE with an accelerator card, because the SE lacks Color QuickDraw support. The **Change to EGA ...** command in the Options menu is dimmed. (Chapter 2, pages 31,32) (Chapter 6, pages 86,87).

### **Added Note: Locked Floppy Disks and DOS Mounter or DaynaFile**

If you're running your Macintosh in MultiFinder and have either *DOS Mounter* or a *DaynaFile* drive, you'll be unable to use locked or full MS-DOS disks in SoftPC EGA/AT. This is because the DOS Mounter

or DaynaFile software is trying to mount the disk in the Finder every time you insert a DOS disk. (The Finder is always running when you use MultiFinder.) The DOS Mounter or DaynaFile software is unable to mount locked or full disks in the Finder, so the error message appears.

**DOS Mounter/MultiFinder problems.** If you're using DOS Mounter, you may wish to purchase AccessPC™ instead and replace your DOS Mounter software. AccessPC is a new product from Insignia Solutions that is many times faster at mounting DOS disks, and does not have the limitations concerning locked or full disks. It also works with many more kinds of disk drives than DOS Mounter. Otherwise, you can turn off MultiFinder and Restart your Macintosh, or disable DOS Mounter.

**DaynaFile/MultiFinder problems.** If you're using a DaynaFile, you may wish to purchase AccessPC™ to augment the DaynaFile software. AccessPC is a new product from Insignia Solutions that does not have the DaynaFile's limitations concerning locked or full disks. It also works with other drives besides DaynaFile. Otherwise, you can turn off MultiFinder and Restart your Macintosh.

### **New: A/UX 2.0 Compatibility**

SoftPC will now run in the Finder or MultiFinder under A/UX 2.0. To enable SoftPC to run under A/UX 2.0, Apple has supplied a patch for Insignia to distribute with SoftPC to correct minor bugs in A/UX which will be fixed in the 2.0.1 release of A/UX. Refer to the instructions on the next page before running SoftPC EGA/AT in A/UX 2.0. (If your A/UX is release 2.0.1 or later, you don't need to install the patch.)

### **To install the A/UX 2.0 patch....**

1. Launch A/UX 2.0
2. Login as root.
3. Insert the SoftPC EGA/AT Rel 1.4 Program Disk in the Floppy Drive and drag the AUX2.0Patch file to the "/" (root) directory.

4. Select **CommandShell** in the Apple Menu.
5. At the command line (next to the #) type **ksh AUX2.0Patch** and press Return. The patch will be installed automatically.

As the patch installs, the screen will display the following:

```
# ksh AUX2.0Patch                (this is what you typed)
AUX2.0Patch: System Version OK
AUX2.0Patch: Checking Patch.0178...
AUX2.0Patch: Patching Patch.0178...
a.out file = Patch.0178 (COFF format)
cannot open core
ready
startTime+0xE: 0x23FC = 0x4E71
startTime+0x10: 0x0 = 0x4E71
startTime+0x12: 0x1 = 0x4E71
startTime+0x14: 0x4 = 0x4E71
startTime+0x16: 0x26C = 0x4E71
startTime+0x18: tst.l _start+0x163
AUX2.0Patch: Checking Patch.067C...
AUX2.0Patch: Patching Patch.067C...
a.out file = Patch.067C (COFF format)
cannot open core
ready
startTime+0xE: 0x23FC = 0x4E71
startTime+0x10: 0x0 = 0x4E71
startTime+0x12: 0x1 = 0x4E71
startTime+0x14: 0x3 = 0x4E71
startTime+0x16: 0xFE44 = 0x4E71
startTime+0x18: tst.l _start+0x163
#
```

If the patch has already been installed, the screen will display the following:

```
# ksh AUX2.0Patch                (this is what you typed)
AUX2.0Patch: System Version OK
AUX2.0Patch: Checking Patch.0178...
AUX2.0Patch: Patch.0178: Patch already installed
AUX2.0Patch: Checking Patch.067C...
AUX2.0Patch: Patch.067C: Patch already installed
#
```

6. Logout
7. Login
8. Run SoftPC EGA/AT as instructed in the User Manual.

**New: Drive D Utilities Make New Drive Setup Easier**  
Three batch files (INITD.BAT, MOVESYS.BAT and MOVEALL.BAT) have been added to make setting up a new Drive D easier.

You can substitute the following steps for the "Creating a Drive" section of the EGA/AT User's Guide, pages 50-56:

**Step 1: Create A New 'Hard Disk Container' Document**  
Select the **D: Hard Disk...** command from the PC Drives menu. Click **New...** in the dialog box that appears. Click the button for the container size you want, type in a name, then click **Create**. Click **Reset** when the dialog box appears. (Up to this point, the process is the same as in the User's Guide.)

**Step 2: Prepare the New 'Hard Disk'**  
Instead of running the FDISK utility (pages 53-55), the FORMAT utility (pages 55 and 56) and the XCOPY utility (page 56), you may use the new utilities copied to your Drive C during the DOS files updating.

Type **INITD** and press Return. It will operate 'FDISK' for you.

When it's finished, type **INITD** and press Return once again. This time, INITD will operate 'FORMAT' for you.

When INITD is finished this time, you can copy the files you need from Drive C to Drive D using either MOVESYS or MOVEALL. If you want to copy just the basic files needed for a fully functional drive that can later be used as either Drive C or Drive D, type **MOVESYS** and press Return. If you have added other files to Drive C in addition to the minimum set that was there originally, you can copy all of the files to Drive D using MOVEALL. To copy all of the files to Drive D, type in **MOVEALL** and press Return.

**Step 3: Choosing the New Drive as Drive C (Optional)**  
If you want to use the new Drive you created as your Drive C instead of using it as your Drive D, select the **D: Hard Disk...** command from the PC Drives menu. Click **Empty** in the dialog box that appears. Click **Reset** when the dialog box appears.

Soft PC

V2.5.

### Password Authorization Card

Below you will find your serial number and password authorization. Please apply these labels as indicated and proceed with the installation instructions found in your user's manual.



PASSWORD: 6c21j1f11j04  
SER. #: UN-10011979/001

Apply to registration  
card

PASSWORD: 6c21j1f11j04  
SERIAL No.: UN-10011979/001

Apply to program disk

PASSWORD: 6c21j1f11j04  
SERIAL No.: UN-10011979/001

Apply to manual

PASSWORD: 6c21j1f11j04  
SERIAL No.: UN-10011979/001

Extra label

***Insignia Solutions Ltd.***  
**Bellfield House, Bellfield Road**  
**High Wycombe, United Kingdom HP13 5HP**

International customers please apply the above label OVER the pre-printed return address on the enclosed registration card, and include the appropriate postage.

P/N 517- 010 -01

## SoftPC® EGA/AT Option Module for the Macintosh® II & SE/30

### IF YOU DON'T READ MANUALS, READ THIS!

SoftPC EGA/AT Option Module is an upgrade to SoftPC. Upgrading requires that you have SoftPC installed. You must run your existing SoftPC at least one more time in order to install the new MS-DOS files that your upgraded SoftPC will need. This is a condensed explanation...

#### In Brief:

#### 1. Run Your Existing SoftPC To Update Your Drive C:.

If you don't have SoftPC installed yet, or have removed it, install your previous version of SoftPC first.

##### Select the EGA-AT Option Disk As Drive E:.

Select **E: Mac Files** from the PC Drives menu. Insert the EGA-AT Option Disk. Click **Select**. (If you're using SoftPC version 1.21, click **Select Open Folder**.)

##### Type E:INSTALL And Press Return.

The MS-DOS files that will be needed by the upgraded SoftPC will be copied into your Drive C: automatically.

##### Quit SoftPC.

#### 2. Run Install EGA/AT To Upgrade SoftPC.

Double-click the Install EGA/AT application icon on the EGA/AT Option Disk.

##### Follow the directions on the screen.

When asked, select your existing SoftPC in the dialog and click **Install**.

#### 3. Run SoftPC EGA/AT. Read the screen.

Two messages about the File Sharing Architecture (FSA) will appear, the first saying: Unable to install FSA Disk Drive. The second FSA message will say SoftPC File Sharing Architecture Version 2.0 Driver successfully installed. The second message indicates success. The first message comes from software only used by your earlier version of SoftPC.

##### Select Your Drive A: If You Will Use Floppy Disks.

Select **A: Floppy Drives...** from the PC Drives menu, click the button for the drive you'll use, and click **Select**. That's it.

610-001-01

Add additional Memory to SoftPC EGA/AT - allows the use of LIM memory. (1MB extra = 1Mbyte LIM extra up to Max of 4MB LIM)